INDEX TO VOLUME 43*

A

Absence or atresia of aortic isthmus (Blake et al.), 607
Achalasia, cricopharyngeal (Sutherland), 114
Adenoma, bronchial, metastasizing, malignant carcinoid syndrome associated with (McConaghie), 303
Adler, Richard H. (*See* Jewett, Adler, and Taheri), 540
Agustsson, M. H., Weinberg, M., Jr., Gasul, B. M., Fell, E. H., Arcilla, R. A., Bicoff, J. P., Steiger, Z., and Iwa, T. Aortic-cardiac fistulas following corrective operations for ventricular septal defects and tetralogy of Fallot, 166
Allen, Peter (*See* Robertson, Ashmore, Allen, and Leach), 343
Alley, Ralph D. (*See* Van Mierop, Alley, Kausel, and Stranahan), 71
American Association for Thoracic Surgery, Program of forty-second annual meeting, 416
Anastomosis, vena cava–pulmonary artery, surgical considerations for treatment of congenital tricuspid atresia and stenosis with particular reference to (Bopp et al.), 97
Anatomy and embryology of endocardial cushion defects (Van Mierop et al.), 71
Anesthesia in bronchoscopy, intravenous propiomazine for supplementation of (Smith et al.), 333
Anomalies, cardiovascular, surgical treatment in 300 infants younger than one year of age (Ochsner et al.), 182
  of upper lobe bronchial distribution (Laforet et al.), 595
Anomalous pulmonary venous drainage, partial, and atrial septal defect, surgical treatment of (Lawrance et al.), 622
  vascular patterns found with atrial septal defect (LePere et al.), 354
Anticoagulant agents in surgical treatment of mitral stenosis (Miscall et al.), 382
  therapy, thromboembolic complications in connection with mitral commissurotomy after discontinuation of (Dahlgren and Björk), 780
Aorta, coarctation of, repair by patch grafting (King et al.), 792
  surgery for (Schuster and Gross), 54
Aortic arch, recent traumatic avulsion of innominate artery at its origin from (Binet et al.), 670
Aortic arch—Cont'd
  thrombo-obliterative disease of great vessels arising from (Crawford et al.), 38
-cardiac fistulas following corrective operations for ventricular septal defects and tetralogy of Fallot (Agustsson et al.), 166
  insufficiency, ventricular septal defect with (Robinson et al.), 785
  regurgitation associated with ventricular septal defect, treatment of (Spencer et al.), 222
  stenosis, calcific coronary emboli following open valvuloplasty for (Glotzer et al.), 434
  subvalvular, valvular, and supravalvular, congenital, surgical management using deep hypothermia (Gordon), 141
  supravalvular: successful excision and aortic re-anastomosis (Hara et al.), 212
  valvular, congenital: anatomic findings and surgical technique (Ellis and Kirklin), 199
    and subvalvular, congenital, with associated coarctation of aorta and patent ductus arteriosus (Awad and Mannix), 203
Apparatus for elective fibrillatory cardiac arrest in experimental and clinical cardiopulmonary bypass operations (Mansfield), 402
Arcilla, R. A. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166
Arterial pressure, central, during perfusion, pressure-perfusion cannula for monitoring (Morris and Diethrich), 822
Arteriography, coronary, utilizing right common carotid artery approach (Meckstroth et al.), 493
Artery, pulmonary, replacement of (Rosenblatt et al.), 634
Ashmore, Philip G. (*See* Robertson, Ashmore, Allen, and Leach), 343
  Discussion of cardiovascular anomalies, 198
Assembly, preparation, and operation of heart-lung machine (Stofer, Lower, and Shumway), 690
Atresia or absence of aortic isthmus (Blake et al.), 607
Atrial septal defect(s), anomalous vascular patterns found with (LePere et al.), 354

*January, pp. 1-140; February, pp. 141-278; March, pp. 279-420; April, pp. 421-560; May, pp. 561-702; June, pp. 703-840.

Atrial septal defect(s)—Cont'd
and partial anomalous pulmonary venous drainage, surgical treatment of (Lawrance et al.), 622
septum primum (Shumacker and King), 366
Atrioventricular canal, common, surgical treatment of (Maloney, Marable, and Mulder), 84
Avulsion, traumatic, recent, of innominate artery at its origin from aortic arch (Binet et al.), 670
Awad, John A., and Mannix, Edgar P., Jr. Congenital valvular and subvalvular aortic stenosis with associated coarctation of the aorta and patent ductus arteriosus, 203

B

Bahnson, Henry T. (*See* Spencer, Bahnson, and Neill), 222
Discussion of atrioventricular canal defect, 95
Bailey, Charles P. (*See* Hirose and Bailey), 559
Discussion of mitral valvular surgery, 33
Barnard, C. N., Schrire, V., and Beck, W. Complete transposition of the great vessels: a successful complete correction, 768
Baronofsky, Ivan D. (*See* Krasna, Steinfeld, Kreel, and Baronofsky), 135
Barrett, N. R. Benign stricture in the lower esophagus, 703
Beacham, Edmund G. (*See* Wilder, Beacham, and Ravitch), 561
Beall, Arthur C., Jr., Feldman, Louis, and Cooley, Denton A. A simple device for left heart decompression during cardiopulmonary bypass, 406
Beck, W. (*See* Barnard, Schrire, and Beck), 768
Benign stricture in lower esophagus (Barrett), 703
Bicoff, J. P. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166
Bigelow, W. G. Discussion of mitral valvular surgery, 36
Bilateral malignant lesions of lung, surgical management of (Payne et al.), 279
multiple segmental resection, case of Kartagener's triad treated by (Chang et al.), 127
simultaneous bronchogenic carcinoma (Langston and Sherrick), 742
Binet, J. P., Langlois, J., Cormier, J. M., and de Saint Florent, G. A case of recent traumatic avulsion of the innominate artery at its origin from the aortic arch, 670
Biopsies, fat pad, scalene, critical reappraisal of (Morgan and Scott), 548
Björk, Viking Olov, and Killander, Johan. A method for oxygenation of blood for transfusion, 489
(*See* Dahlgren and Björk), 780
Black, William (*See* Fraser, Rossall, Black, and Dvorkin), 810
Blake, Hu A., Manion, William C., and Spencer, Frank C. Atresia or absence of the aortic isthmus, 607
Blondeau, Ph. (*See* Dubost, Blondeau, and Piwnica), 421
Blood pH changes and ventricular fibrillation in deep hypothermia (Malamos et al.), 453
pressures, intracardiac and intra-arterial, methods and materials used in recording of (Galloway et al.), 397
priming, concept obviating: hemodilution principle of hypothermic perfusion (Greer et al.), 640
for transfusion, method for oxygenation of (Björk and Killander), 489
Bopp, Raymond K., Larsen, Parry B., Caddell, Joan L., Patrick, James R., Hipona, Florencio A., and Glenn, William W. L. Surgical considerations for treatment of congenital tricuspid atresia and stenosis: with particular reference to vena cava–pulmonary artery anastomosis, 97
Bortin, Mortimer M. (*See* Pemberton, Bortin, and Narodick), 685
Boyden, E. A., and Tompsett, David H. Congenital absence of the medial basal bronchus in a child: with preliminary observations on postnatal growth of the lungs, 517
Brandt, Ralph L. (*See* Morris, Sloan, Wilson, and Brandt), 17
Brief, Donald K., and Gross, Robert E. A new chest tube for use in open-heart surgery, 408
Brom, Gerard. Discussion of coarctation of aorta, 69
Bronchial adenoma, metastasizing, malignant carcinoid syndrome associated with (McConaghie), 303
distribution, upper lobe, anomalies of (Laforet et al.), 595
Bronchiolar emphysema (cirrhosis of lung), (Burman and Kent), 253
Bronchogenic carcinoma, simultaneous, bilateral (Langston and Sherrick), 742
a sixteen-year study (Christiansen and Smith), 267
Bronchopulmonary sequestration, intralobar, involving the upper lobes (Witten, Clagett, and Woolner), 523
Bronchoscopy, anesthesia in, intravenous propiomazine for supplementation of (Smith et al.), 333
transtracheal (Hurley and Shumway), 327
Bronchus, basal, medial, congenital absence in child (Boyden and Tompsett), 517
rupture of, delayed repair of (Campbell et al.), 320
Brown, Harold N. (*See* Hudson and Brown), 552

Burman, Sheldon Oscar, and Kent, Edward M. Bronchiolar emphysema (cirrohosis of the lung), 253
Bypass, cardiopulmonary, serum transaminase response to cardiac surgery using (Fraser et al.), 810
infundibular, experimental (Glotzer and Hurwitt), 234
pulmonary, when is it total? (Pemberton et al.), 685

C

Caddell, Joan L. (*See* Bopp, Larsen, Caddell, Patrick, Hipona, and Glenn), 97
Calcific coronary emboli following open valvuloplasty for aortic stenosis (Glotzer et al.), 434
Caliva, Francis S. (*See* Rogers, Kletschka, Newcomb, and Caliva), 505
Campbell, Daniel C., Jr., Swindell, Herbert V., and Dominy, Dale E. Delayed repair of rupture of bronchus, 320
Cannula, cardiovascular, "universal" (Hirose and Bailey), 559
coronary, watertight, improved (Roe and McKay), 139
pressure-perfusion (Morris and Diethrich), 822
Carcinoid syndrome, malignant, associated with metastasizing bronchial adenoma (McConaghie), 303
Carcinoma, bronchogenic, simultanecus, bilateral (Langston and Sherrick), 742
sixteen-year study (Christiansen and Smith), 267
endobronchial, exophytic (Sherwin et al.), 716
inoperable, of upper esophagus (Meade), 410
Cardiac arrest, fibrillatory, elective in experimental and clinical cardiopulmonary bypass operations, apparatus for (Mansfield), 402
and pulmonary surgery, late secondary thoracotomy following (Fonkalsrud and Steele), 530
valvular action, simple external pulse duplicator for observation of (Wessel et al.), 513
Cardio-pericardiopexy, I. Myocardial revascularization procedures using tissue polarograph (Rogers et al.), 505
Cardiopulmonary bypass, device for left heart decompression during (Beall et al.), 406
operations, experimental and clinical, apparatus for elective fibrillatory cardiac arrest in (Mansfield), 402
serum transaminase response to cardiac surgery using (Fraser et al.), 810
when is it total? (Pemberton et al.), 685
Cardiovascular anomalies, surgical treatment in 300 infants younger than one year of age (Ochsner et al.), 182
Carey, John M. (*See* Greer, Carey, and Zuhdi), 640
(*See* Zuhdi, Carey, and Greer), 816
Carney, E. Kent, Ross, John, Jr., and Cooper, Theodore. The effect of large doses of quinidine on myocardial function in the normothermic and hypothermic dog, 372
Carotid artery approach, common, right, coronary arteriography utilizing (Meckstroth et al.), 493
Carroll, Fred (*See* Kaplan, Carroll, and Fisher), 388
Catheter, plastic, corrugated, tapered, for cannulation in extracorporeal circulation (Hirose and Bailey), 559
Cavitary tuberculosis, spontaneous pneumothorax complicating (Wilder et al.), 561
Chang, K. H. Ronald, Niguidula, F. N., and Ramos, A. Kartagener's triad: review of surgically treated cases and report of case treated by bilateral multiple segmental resection, 127
Chemodectoma of mediastinum (Tama et al.), 585
Chest, funnel: new corrective operation (Jensen et al.), 731
tube, new, for use in open-heart surgery (Brief and Gross), 408
Christiansen, Kjell H., and Smith, Daniel E. Bronchogenic carcinoma: a sixteen-year study, 267
Cirrhosis of lung (bronchiolar emphysema), (Burman and Kent), 253
Clagett, O. Theron (*See* Payne, Clagett, and Harrison), 279
(*See* Witten, Clagett, and Woolner), 523
Coagulation and hemodilution factors in extracorporeal circulation (Zuhdi et al.), 816
Coarctation of aorta and patent ductus arteriosus, congenital valvular and subvalvular aortic stenosis associated with (Awad and Mannix), 203
repair by patch grafting (King et al.), 792
surgery for (Schuster and Gross), 54
Coassin, Nicholas A. (*See* Schwartz, Coassin, Luria, and Mahoney), 796
Cohn, Keith (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Congenital absence of medial basal bronchus in child (Boyden and Tompsett), 517
cystic disease of lung in infancy: successful treatment by lobectomy (Minnis), 262
valvular aortic stenosis: anatomic findings and surgical technique (Ellis and Kirklin), 199
and subvalvular aortic stenosis with associated coarctation of aorta and patent ductus arteriosus (Awad and Mannix), 203
Control, semiautomatic, for extracorporeal blood pump (Lewis et al.), 392
Cooley, Denton A. (*See* Beall, Feldman, and Cooley), 406

Cooley, Denton A.—Cont'd
(*See* Crawford, De Bakey, Morris, and Cooley), 38
(*See* Ochsner, Cooley, McNamara, and Kline), 182
Cooper, Theodore (*See* Carney, Ross, and Cooper), 372
Cordell, A. Robert (*See* Hudspeth, Cordell, Meredith, and Johnston), 157
Cormier, J. M. (*See* Binet, Langlois, Cormier, and de Saint Florent), 670
Coronary arteriography utilizing the right common carotid artery approach (Meckstroth et al.), 493
cannula, watertight, improved (Roe and McKay), 139
Correction, complete, successful, of complete transposition of great vessels (Barnard et al.), 768
Coulthard, H. S. (*See* Gale, Coulthard, and Delarue), 239
Crafoord, Clarence. Discussion of coarctation of aorta, 69
Crawford, E. Stanley, De Bakey, Michael E., Morris, George C., Jr., and Cooley, Denton A. Thrombo-obliterative disease of the great vessels arising from the aortic arch, 38
Cricopharyngeal achalasia (Sutherland), 114
Cronin, R. F. P. (*See* Dobell, Scott, Cronin, and Reid), 802
Cushion defects, endocardial, anatomy and embryology of (Van Mierop et al.), 71
Cystic disease, congenital, of lung in infancy (Minnis), 262

D

Dahlgren, Sven, and Björk, Viking Olov. Thromboembolic complications in connection with mitral commissurotomy after discontinuation of anticoagulant therapy, 780
Deaton, W. Ralph, Jr., and Johnston, Frank R. Spontaneous hemopneumothorax, 413
De Bakey, Michael E. (*See* Crawford, De Bakey, Morris, and Cooley), 38
Decompression, left heart, during cardiopulmonary bypass, device for (Beall et al.), 406
Decortications and resections, chronic purulent tuberculous empyema and pulmonary tuberculosis treated by (Okano and Walkup), 752
Delarue, N. C. (*See* Gale, Coulthard, and Delarue), 239
Delayed repair of rupture of bronchus (Campbell et al.), 320
DeMuth, George R. (*See* Howatt, Talner, Sloan, and DeMuth), 649
Derrick, John R. Technique of applying right ventricular outflow patch with the use of hypothermia, 701
de Saint Florent, G. (*See* Binet, Langlois, Cormier, and de Saint Florent), 670
Device for left heart decompression during cardiopulmonary bypass (Beall et al.), 406
Diethrich, Edward B. (*See* Morris and Diethrich), 822
Diveley, Walter L. (*See* Killen, Foster, McCracken, Diveley, and Hubbard), 762
Dobell, A. R. C., Scott, H. J., Cronin, R. F. P., and Reid, E. A. S. Surgical closure of interventricular septal perforation complicating myocardial infarction, 802
Doberneck, Raymond C., Reiser, Milton P., and Lillehei, C. Walton. Acute renal failure after open-heart surgery utilizing extracorporeal circulation and total body perfusion, 441
Dockerty, Malcolm B. (*See* Tama, Ellis, Hodgson, and Dockerty), 585
Dodrill, Forest D. Discussion of aortic-cardiac fistulas, 180
Dominy, Dale E. (*See* Campbell, Swindell, and Dominy), 320
Donald, David E. (*See* Theye, Donald, and Jones), 473
Drape for combined incisions (Storer), 278
Dubost, Ch., Blondeau, Ph., and Piwnica, A. Right aorta-atrial fistulas resulting from a rupture of the sinus of Valsalva, 421
Duchesne, E. R. (*See* Watkins, Duchesne, and Pollock), 1
Ductus arteriosus, patent, and coarctation of aorta, congenital valvular and subvalvular aortic stenosis associated with (Awad and Mannix), 203
Dungan, T. (*See* Hara, Dungan, and Lincoln), 212
Dvorkin, Joseph (*See* Fraser, Rossall, Black, and Dvorkin), 810

E

Echinococcosis, primary, of heart cured by operation (Romanoff and Milwidsky), 677
Ectopic (supradiaphragmatic) liver (Hudson and Brown), 552
Effler, Donald B., and Groves, Laurence K. Superior vena caval obstruction, 574
Ellis, F. Henry, Jr., and Kirklin, John W. Congenital valvular aortic stenosis: anatomic and surgical technique, 199
(*See* Tama, Ellis, Hodgson, and Dockerty), 585
Discussion of congenital aortic stenosis, 153
Ellison, Robert G. (*See* Galloway, Hall, and Ellison), 397
Emboli, coronary, calcific, following open valvuloplasty for aortic stenosis (Glotzer et al.), 434

Embryology and anatomy of endocardial cushion defects (Van Mierop et al.), 71
Emphysema, bronchiolar (cirrhosis of lung), (Burman and Kent), 253
Empyema, tuberculous, purulent, chronic, and pulmonary tuberculosis, treated by decortications and resections (Okano and Walkup), 752
Endobronchial carcinoma, exophytic (Sherwin et al.), 716
Endocardial cushion defects, anatomy and embryology of (Van Mierop et al.), 71
Esophagus, lower, benign stricture in (Barrett), 703
upper, inoperable carcinoma of (Meade), 410
Estrellado, Romeo E. (*See* Stein, Estrellado, and Judd), 314
Excision, surgical, of bilateral simultaneous bronchogenic carcinoma (Langston and Sherrick), 742
Exophytic endobronchial carcinoma (Sherwin et al.), 716
Extracorporeal blood pump, semiautomatic control for (Lewis et al.), 392
circulation, heat exchanger in (Heimbecker et al.), 465
hemodilution and coagulation factors in (Zuhdi et al.), 816
pulmonary function changes following repair of heart lesions with aid of (Howatt et al.), 649
tapered corrugated plastic catheter for cannulation in (Hirose and Bailey), 559
and total body perfusion, acute renal failure after open-heart surgery utilizing (Doberneck et al.), 441

F

Fallot, tetralogy of, surgical treatment of (Robertson et al.), 343
Fat pad biopsies, scalene, critical reappraisal of (Morgan and Stewart), 548
Feldman, Louis (*See* Beall, Feldman, and Cooley), 406
Fell, E. H. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166
Fell, Stanley C. (*See* Robinson, Fell, and Jacobson), 785
Film volume and performance of sheet and screen vertical-film oxygenators (Theye et al.), 481
Filming surface and geometry, effect on priming volume of vertical-film oxygenator (Theye et al.), 473
Fisher, Bernard (*See* Kaplan, Carroll, and Fisher), 388
Fistulas, aorta-atrial, right, resulting from rupture of sinus of Valsalva (Dubost et al.), 421
aortic-cardiac, following corrective operations for ventricular septal defects and tetralogy of Fallot (Agustsson et al.), 166
Fonkalsrud, Eric W., and Steele, John D. Late secondary thoracotomy following pulmonary and cardiac surgery, 530
Foster, John H. (*See* Killen, Foster, McCracken, Diveley, and Hubbard), 762
Fowler, Ward S. (*See* Theye, Kirklin, and Fowler), 481
Fraser, Robert S., Rossall, Richard E., Black, William, and Dvorkin, Joseph. Serum transaminase response to cardiac surgery using cardiopulmonary bypass, 810
Funnel chest: new corrective operation (Jensen et al.), 731

G

Gale, G. L., Coulthard, H. S., and Delarue, N. C. Resection in pulmonary tuberculosis, with a special study on the influence of residual disease upon relapse, 239
Galloway, Ronald F., Hall, David P., and Ellison, Robert G. An evaluation of the methods and materials used in recording intracardiac and intra-arterial blood pressures, 397
Garamella, Joseph J. (*See* Jensen, Schmidt, and Garamella), 731
Gas-type heat exchanger for induction of profound hypothermia and rewarming (Kaplan et al.), 388
Gasul, B. M. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166
Geometry and filming surface, effect on priming volume of vertical-film oxygenator (Theye et al.), 473
Gerbode, Frank (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Discussion of ventricular septal defects, 164
Glenn, William W. L. (*See* Bopp, Larsen, Caddell, Patrick, Hipona, and Glenn), 97
Discussion of mitral valvular surgery, 33
Glotzer, Donald J., Shaw, Robert S., and Scannell, J. Gordon. Calcific coronary emboli following open valvuloplasty for aortic stenosis, 434
Glotzer, Philip, and Hurwitt, Elliott S. Experimental infundibular bypass, 234
(*See* Rosenblatt, Hurwitt, Glotzer, and Robinson), 634
Gordon, Archer S. The surgical management of congenital supravalvular, valvular, and subvalvular aortic stenosis using deep hypothermia, 141, 155
Gordon, Arthur (*See* Miscall, Nolan, Gordon, and Miller), 382
Grafting, patch, repair of coarctation of aorta by (King et al.), 792

Great vessels arising from aortic arch, thrombo-obliterative disease of (Crawford et al.), 38
complete transposition of: successful complete correction (Barnard), 768
Greer, Allen E., Carey, John M., and Zuhdi, Nazih. Hemodilution principle of hypothermic perfusion, 640
(*See* Zuhdi, Carey, and Greer), 816
Grimshaw, V. A. (*See* Lawrance, Grimshaw, Hoyle, Hicks, Nixon, and Wooler), 622
Gross, Robert E. (*See* Brief and Gross), 408
(*See* Schuster and Gross), 54
Groves, Laurence (*See* Effler and Groves), 574

H

Hait, Merritt (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Hall, David P. (*See* Galloway, Hall, and Ellison), 397
Hara, M., Dungan, T., and Lincoln, B. Supravalvular aortic stenosis: report of successful excision and aortic reanastomosis, 212
Harkins, George (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Harrison, Edgar G. (*See* Payne, Clagett, and Harrison), 279
Harrison, Robert. Discussion of congenital tricuspid atresia and stenosis, 111
Heat exchanger in extracorporeal circulation (Heimbecker, Varga, and McMeekan), 465
gas-type, for induction of profound hypothermia and rewarming (Kaplan et al.), 388
Heart lesions, repair of, with the aid of extracorporeal circulation, pulmonary function changes following (Howatt et al.), 649
lung machine, preparation, assembly, and operation of (Stofer et al.), 690
simple valve modification of coronary vacuum suction in (Kabelka), 556
primary echinococcosis of, cured by operation (Romanoff and Milwidsky), 677
Heimbecker, R. O., Varga, A., and McMeekan, J. The heat exchanger in extracorporeal circulation, 465
Hematoma, pulmonary, solitary (Joynt and Jaffe), 291
Hemodilution and coagulation factors in extracorporeal circulation (Zuhdi et al.), 816
principle of hypothermic perfusion (Greer et al.), 640
Hemodynamic effects of incision and suture of tricuspid valve (Schwartz et al.), 796
Hemolysis during perfusion (Osborn et al.), 459
Hemopneumothorax, spontaneous (Deaton and Johnston), 413
Hicks, J. P. N. (*See* Lawrance, Grimshaw, Hoyle, Hicks, Nixon, and Wooler), 622
Hipona, Florencio A. (*See* Bopp, Larsen, Caddell, Patrick, Hipona, and Glenn), 97
Hirose, Teruo, and Bailey, Charles P. The "universal" cardiovascular cannula: a tapered corrugated plastic catheter for cannulation in extracorporeal circulation, 559
Hodgson, Corrin H. (*See* Tama, Ellis, Hodgson, and Dockerty), 585
Hood, R. Maurice, and Rush, Clyde E. Lethal hazards of the Mörch respirator, 338
Horwitz, Sidney J. (*See* Lewis, Horwitz, and Naines), 392
Howatt, William F., Talner, Norman S., Sloan, Herbert, and DeMuth, George R. Pulmonary function changes following repair of heart lesions with the aid of extracorporeal circulation, 649
Hoyle, Gillian (*See* Lawrance, Grimshaw, Hoyle, Hicks, Nixon, and Wooler), 622
Hubbard, W. W. (*See* Killen, Foster, McCracken, Diveley, and Hubbard), 762
Hudson, Theodore R., and Brown, Harold N. Ectopic (supradiaphragmatic) liver, 552
Hudspeth, Allen S., Cordell, A. Robert, Meredith, Jesse H., and Johnston, Frank R. An improved transatrial approach to the closure of ventricular septal defects, 157
Hurley, Edward J., and Shumway, Norman. Transtracheal bronchoscopy, 327
Hurwitt, Elliott S. (*See* Glotzer and Hurwitt), 234
(*See* Rosenblatt, Hurwitt, Glotzer, and Robinson), 634
Hypothermia, deep, blood pH changes and ventricular fibrillation in (Malamos et al.), 453
surgical management of congenital supravalvular, valvular, and subvalvular aortic stenosis using (Gordon), 141
profound, and rewarming, gas-type heat exchanger for induction of (Kaplan et al.), 388
technique of applying right ventricular outflow patch with use of (Derrick), 701
Hypothermic and normothermic dog, effect of large doses of quinidine on myocardial function in (Carney et al.), 372
perfusion, hemodilution principle of (Greer et al.), 640
Hypoxia of respiratory origin, studies in prolonged veno-venous perfusion with oxygenation in (Krasna et al.), 135

I

Incision and suture, hemodynamic effects on triscuspid valve (Schwartz et al.), 796
Index, 825
Infancy, congenital cystic disease of lung in: treatment by lobectomy (Minnis), 262
Infants, 300, younger than one year of age, surgical treatment of cardiovascular anomalies in (Ochsner et al.), 182
Infundibular bypass, experimental (Glotzer and Hurwitt), 234
Innominate artery, recent traumatic avulsion of, at its origin from aortic arch (Binet et al.), 670
Instrument, new: sternal approximator (Lemmon), 276
Intra-arterial and intracardiac blood pressures, methods and materials used in recording of (Galloway et al.), 397
Intracardiac and intra-arterial blood pressures, methods and materials used in recording of (Galloway et al.), 397
Intralobar bronchopulmonary sequestration involving the upper lobes (Witten, Clagett, and Woolner), 523
Isthmus, aortic, atresia or absence of (Blake et al.), 607
Iwa, T. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166

J

Jacobson, Belle E. (*See* Robinson, Fell, and Jacobson), 785
Jaffe, F. (*See* Joynt and Jaffe), 291
Jensen, Nathan Kenneth, Schmidt, W. Robert, and Garamella, Joseph J. Funnel chest: a new corrective operation, 731
Jewett, Theodore C., Jr., Adler, Richard H., and Taheri, Syde A. Tension pneumomediastinum in the newborn, 540
Johnson, Julian. Discussion of congenital tricuspid atresia and stenosis, 112
Johnston, Frank R. (*See* Deaton and Johnston), 413
(*See* Hudspeth, Cordell, Meredith, and Johnston), 157, 165
Jones, Richard E. (*See* Theye, Donald, and Jones), 473
Joynt, G. H. C., and Jaffe, F. Solitary pulmonary hematoma, 291
Judd, James M. (*See* Stein, Estrellado, and Judd) 314

K

Kabelka, Miroslav. A simple valve modification of the coronary vacuum suction in the heart-lung machine, 556
Kaiser, George (*See* King, Kaiser, and King), 792
Kaplan, Abraham, Carroll, Fred, and Fisher, Bernard. A gas-type heat exchanger for induction of profound hypothermia and rewarming, 388
Kartagener's triad, case treated by bilateral multiple segmental resection (Chang et al.), 127
Kausel, Harvey W. (*See* Van Mierop, Alley, Kausel, and Stranahan), 71
Kay, Earle B. Discussion of mitral valvular surgery, 32
Discussion of congenital aortic stenosis, 154
Kay, Jerome H. Discussion of ventricular septal defects, 163
Kent, Edward M. (*See* Burman and Kent), 253
Kezdi, Paul (*See* Wessel, Kezdi, and Lewis), 513
Killander, Johan (*See* Björk and Killander), 489
Killen, Duncan A., Foster, John H., McCracken, R. C., Diveley, Walter L., and Hubbard, W. W. Pulmonary resection for tuberculosis in the first two decades of life, 762
King, Harold, Kaiser, George, and King, Robert. Repair of coarctation of the aorta by patch grafting, 792
(*See* Shumacker and King), 366
King, Robert (*See* King, Kaiser, and King), 792
Kirklin, John W. (*See* Ellis and Kirklin), 199
(*See* Theye, Kirklin, and Fowler), 481
Klassen, Karl P. (*See* Meckstroth, Klassen, Molnar, and Ryan), 493
Kletschka, Harold D. (*See* Rogers, Kletschka, Newcomb, and Caliva), 505
Kline, Allen (*See* Ochsner, Cooley, McNamara, and Kline), 182
Kohler, Colette M. (*See* LePere, Thomson, and Kohler), 354
Konstandinidis, K. (*See* Malamos, Mouloopoulos, Konstandinidis, Panayotopoulos, and Parschou), 453
Kralik, John J. Discussion of mitral valvular surgery, 36
Krasna, Irwin H., Steinfeld, Leonard, Kreel, Isadore, and Baronofsky, Ivan D. Studies in prolonged veno-venous perfusion with oxygenation in hypoxia of respiratory origin, 135
Kreel, Isadore (*See* Krasna, Steinfeld, Kreel, and Baronofsky), 135

L

Laforet, Eugene G., Starkey, George W. B., and Scheff, Saul. Anomalies of upper lobe bronchial distribution, 595
(*See* Sherwin, Laforet, and Strieder), 716
Lam, Conrad R. Discussion of congenital aortic stenosis, 155

Langlois, J. (*See* Binet, Langlois, Cormier, and de Saint Florent), 670
Langston, Hiram T., and Sherrick, Joseph C. Bilateral simultaneous bronchogenic carcinoma: report of a case of surgical excision, 742
Larsen, Parry B. (*See* Bopp, Larsen, Caddell, Patrick, Hipona, and Glenn), 97
Lawrance, K., Grimshaw, V. A., Hoyle, Gillian, Hicks, J. P. N., Nixon, P. F. G., and Wooler, G. H. Surgical treatment of atrial septal defect and partial anomalous pulmonary venous drainage, 622
Lawrence, Hugh. Discussion of mitral valvular surgery, 34
Leach, W. B. (*See* Robertson, Ashmore, Allen, and Leach), 343
Lefemine, Armand A. Discussion of mitral valvular surgery, 35
Lemmon, William M. Sternal approximator: a new instrument, 276
LePere, Robert H., Thomson, George, and Kohler, Colette M. Anomalous vascular patterns found with atrial septal defect, 354
Lethal hazards of Mörch respirator (Hood and Rush), 338
Lewis, F. John, Horwitz, Sidney J., and Naines, Joseph B., Jr. Semiautomatic control for an extracorporeal blood pump, 392
(*See* Wessel, Kezdi, and Lewis), 513
Lillehei, C. Walton (*See* Doberneck, Reiser, and Lillehei), 441
Lincoln, B. (*See* Hara, Dungan, and Lincoln), 212
Liver, ectopic (supradiaphragmatic), (Hudson and Brown), 552
Lobectomy, successful, in one-day-old infant for congenital cystic disease of lung (Minnis), 262
Lower, Richard R. (*See* Stofer, Lower, and Shumway), 690
Lung, cirrhosis of (bronchiolar emphysema), (Burman and Kent), 253
congenital cystic disease of, in infancy (Minnis), 262
surgical management of bilateral malignant lesions of (Payne et al.), 279
Luria, Milton N. (*See* Schwartz, Coassin, Luria, and Mahoney), 796

M

McConaghie, Robert J. The malignant carcinoid syndrome associated with a metastasizing bronchial adenoma, 303
McCracken, R. C. (*See* Killen, Foster, McCracken, Diveley, and Hubbard), 762
McKay, Lester M. (*See* Roe and McKay), 139
McMeekan, J. (*See* Heimbecker, Varga, and McMeekan), 465
McNamara, Dan G. (*See* Ochsner, Cooley, McNamara, and Kline), 182
Mahoney, Earle B. (*See* Schwartz, Coassin, Luria, and Mahoney), 796
Malamos, B., Moulopoulos, S., Konstandinidis, K., Panayotopoulos, E. and Paraschou, E. Blood pH changes and ventricular fibrillation in deep hypothermia, 453
Malignant lesions, bilateral, of lung, surgical management of (Payne et al.), 279
Maloney, James V., Jr., Marable, Samuel A., and Mulder, Donald G. The surgical treatment of common atrioventricular canal, 84, 96
Manion, William C. (*See* Blake, Manion, and Spencer), 607
Mannix, Edgar P., Jr., (*See* Awad and Mannix), 203
Mansfield, Peter B. An apparatus for elective fibrillatory cardiac arrest in experimental and clinical cardiopulmonary bypass operations, 402
Marable, Samuel A. (*See* Maloney, Marable, and Mulder), 84
Meade, Richard H. Inoperable carcinoma of the upper esophagus: twelve-year cure following roentgen ray, Teropterin, and nitrogen mustard therapy, 410
Meckstroth, Charles V., Klassen, Karl P., Molnar, William, and Ryan, Joseph. Coronary arteriography utilizing the right common carotid artery approach, 493
Medial basal bronchus, congenital absence in child (Boyden and Tompsett), 517
Mediastinum, chemodectoma of (Tama et al.), 585
Meredith, Jesse H. (*See* Hudspeth, Cordell, Meredith, and Johnston), 157
Miller, Hyman I. (*See* Miscall, Nolan, Gordon, and Miller), 382
Milwidsky, H. (*See* Romanoff and Milwidsky), 677
Minnis, J. F., Jr. Congenital cystic disease of the lung in infancy: successful lobectomy in one-day-old infant, 262
Miscall, Laurence, Nolan, Richard B., Gordon, Arthur, and Miller, Hyman I. Anticoagulant agents in the surgical treatment of mitral stenosis, 382
Mitral commissurotomy, thromboembolic complications in connection with, after discontinuation of anticoagulant therapy (Dahlgren and Björk), 780
stenosis, anticoagulant agents in surgical treatment of (Miscall et al.), 382
valvuloplasty, open, appraisal of clinical results (Morris et al.), 17
Modell, Jerome H. (*See* Smith, Modell, Pino, and Timmes), 333
Molnar, William (*See* Meckstroth, Klassen, Molnar, and Ryan), 493
Mörch respirator, lethal hazards of (Hood and Rush), 338

Morgan, S. Wesley, and Scott, Stewart M. A critical reappraisal of scalene fat pad biopsies, 548
Morris, George C., Jr. (*See* Crawford, De Bakey, Morris, and Cooley), 38
Morris, Joe D., Sloan, Herbert, Wilson, William S., and Brandt, Ralph L. An appraisal of clinical results in open mitral valvuloplasty, 17, 37
—, and Diethrich, Edward B. Pressure-perfusion cannula: a simplified method of monitoring central arterial pressure during perfusion, 822
Moulopoulos, S. (*See* Malamos, Moulopoulos, Konstandinidis, Panayotopoulos, and Paraschou), 453
Mulder, Donald G. (*See* Maloney, Marable, and Mulder), 84
Mustard, William T. Discussion of cardiovascular anomalies, 197
Myocardial augmentation, post-systolic, coordinated, combined with systolic neutralization: development and clinical application to failing heart (Watkins et al.), 1
function in normothermic and hypothermic dog, effect of large doses of quinidine on (Carney et al.), 372
infarction, surgical closure of interventricular septal perforation complicating (Dobell et al.), 802
revascularization procedures using tissue polarograph. I. Cardio-pericardiopexy (Rogers et al.), 505

N

Naines, Joseph B. (*See* Lewis, Horwitz, and Naines), 392
Narodick, Benjamin G. (*See* Pemberton, Bortin, and Narodick), 685
Neill, Catherine A. (*See* Spencer, Bahnson, and Neill), 222
Neutralization, systolic, combined with coordinated post-systolic myocardial augmentation: development and clinical application to failing heart (Watkins et al.), 1
Newborn, tension pneumomediastinum in (Jewett, Adler, and Taheri), 540
Newcomb, H. Leigh (*See* Rogers, Kletschka, Newcomb, and Caliva), 505
Niguidula, F. N. (*See* Chang, Niguidula, and Ramos), 127
Nitrogen mustard, roentgen ray, and Teropterin therapy in 12-year cure of inoperable carcinoma of upper esophagus (Meade), 410
Nixon, P. F. G. (*See* Lawrance, Grimshaw, Hoyle, Hicks, Nixon, and Wooler), 622
Nocardiosis and tuberculosis (Stein et al.), 314
Nolan, Richard B. (*See* Miscall, Nolan, Gordon, and Miller), 382
Normothermic and hypothermic dog, effect of large doses of quinidine on myocardial function in (Carney et al.), 372

O

Obstruction of superior vena cava (Effler and Groves), 574
treated by shunt from innominate vein to right atrium (Tama et al.), 585
Ochsner, John L., Cooley, Denton A., McNamara, Dan G., and Kline, Allen. Surgical treatment of cardiovascular anomalies in 300 infants younger than one year of age, 182 198
Okano, Takeshi, and Walkup, Harry E. Chronic purulent tuberculous empyema and pulmonary tuberculosis treated by decortications and resections, 752
Open-heart surgery, new chest tube for use in (Brief and Gross), 408
utilizing extracorporeal circulation and total body perfusion, acute renal failure after (Doberneck et al.), 441
Osborn, John J., Cohn, Keith, Hait, Merritt, Russi, Melvin, Salel, Antone, Harkins, George, and Gerbode, Frank. Hemolysis during perfusion: sources and means of reduction, 459
Oxygenation of blood for transfusion, method for (Björk and Killander), 489
studies in prolonged veno-venous perfusion with, in hypoxia of respiratory origin (Krasna et al.), 135
Oxygenator, screen, new, and pump, with flow meters and pressure gauge (Rice), 658

P

Panayotopoulos, E. (*See* Malamos, Moulopoulos, Konstandinidis, Panayotopoulos, and Paraschou), 453
Paraschou, E. (*See* Malamos, Moulopoulos, Konstandinidis, Panayotopoulos, and Paraschou), 453
Patch, outflow, right ventricular, technique of applying, with use of hypothermia (Derrick), 701
Patrick, James R. (*See* Bopp, Larsen, Caddell, Patrick, Hipona, and Glenn), 97
Payne, W. Spencer, Clagett, O. Theron, and Harrison, Edgar G. Surgical management of bilateral malignant lesions of the lung, 279
Pemberton, Albert H., Bortin, Mortimer M., and Narodick, Benjamin G. When is cardiopulmonary bypass total? 685
Perforation, septal, interventricular, complicating myocardial infarction, surgical closure of (Dobell et al.), 802
Perfusion, hemolysis during (Osborn et al.), 459
hypothermic, hemodilution principle of (Greer et al.), 640

Perfusion—Cont'd
pressure-perfusion cannula for monitoring central arterial pressure during (Morris and Diethrich), 822
veno-venous, prolonged, with oxygenation in hypoxia of respiratory origin, studies in (Krasna et al.), 135
Pericarditis, constrictive, re-operation after long period of clinical remission (Saidi and Scannell), 615
pH changes, blood, and ventricular fibrillation in deep hypothermia (Malamos et al.), 453
Pino, Daniel M. (*See* Smith, Modell, Pino, and Timmes), 333
Piwnica, A. (*See* Dubost, Blondeau, and Piwnica), 421
Pneumomediastinum, tension, in newborn (Jewett, Adler, and Taheri), 540
Pneumothorax, spontaneous, complicating cavitary tuberculosis (Wilder et al.), 561
Polarograph, tissue, myocardial revascularization procedures using. I. Cardiopericardiopexy (Rogers et al.), 505
Pollock, Byron E. (*See* Watkins, Duchesne, and Pollock), 1
Pontius, Robert G. Discussion of coarctation of aorta, 70
Discussion of cardiovascular anomalies, 198
Post-systolic myocardial augmentation, coordinated, combined with systolic neutralization: development and clinical application to failing heart (Watkins et al.), 1
Preparation, assembly, and operation of heart-lung machine (Stofer, Lower, and Shumway), 690
Primary echinococcosis of heart cured by operation (Romanoff and Milwidsky), 677
Priming volume of vertical-film oxygenator, effect of geometry and filming surface on (Theye et al.), 473
Propiomazine, intravenous, for supplementation of anesthesia in bronchoscopy (Smith et al.), 333
Pulmonary artery, replacement of (Rosenblatt et al.), 634
– vena cava anastomosis (Bopp et al.), 97
and cardiac surgery, late secondary thoracotomy following (Fonkalsrud and Steele), 530
function changes following repair of heart lesions with the aid of extracorporeal circulation (Howatt et al.), 649
hematoma, solitary (Joynt and Jaffe), 291
resection for tuberculosis in first two decades of life (Killen et al.), 762
tuberculosis, resection in, with special study on influence of residual disease upon relapse (Gale et al.), 239
venous drainage, anomalous, partial, and atrial septal defect, surgical treatment of (Lawrance et al.), 622
Pulse duplicator, external, simple, for observation of cardiac valvular action (Wessel et al.), 513
Pump, blood, extracorporeal, semiautomatic control for (Lewis et al.), 392

Q

Quinidine, effect of large doses on myocardial function in normothermic and hypothermic dog (Carney et al.), 372

R

Ramos, A. (*See* Chang, Niguidula, and Ramos), 127
Ravitch, Mark M. (*See* Wilder, Beacham, and Ravitch), 561
Re-anastomosis, aortic, successful excision and, in case of supravalvular aortic stenosis (Hara et al.), 212
Recording of intracardiac and intra-arterial blood pressures, methods and materials used in (Galloway et al.), 397
Regurgitation, aortic, associated with ventricular septal defect, treatment of (Spencer et al.), 222
Reid, E. A. S. (*See* Dobell, Scott, Cronin, and Reid), 802
Reiser, Milton P. (*See* Doberneck, Reiser, and Lillehei), 441
Remission, clinical, re-operation for constrictive pericarditis after long period of (Saidi and Scannell), 615
Renal failure, acute, after open-heart surgery utilizing extracorporeal circulation and total body perfusion (Doberneck et al.), 441
Re-operation for constrictive pericarditis after long period of clinical remission (Saidi and Scannell), 615
Repair of coarctation of aorta by patch grafting (King et al.), 792
Replacement of pulmonary artery (Rosenblatt et al.), 634
Resection(s) and decortications, chronic purulent tuberculous empyema and pulmonary tuberculosis treated by (Okano and Walkup), 752
pulmonary, for tuberculosis in first two decades of life (Killen et al.), 762
in pulmonary tuberculosis, with special study on influence of residual disease upon relapse (Gale et al.), 239
Residual disease, influence on relapse: resection in pulmonary tuberculosis (Gale et al.), 239
Respirator, Mörch, lethal hazards of (Hood and Rush), 338
Revascularization procedures, myocardial, using tissue polarograph. I. Cardio-pericardiopexy (Rogers et al.), 505
Rewarming, gas-type heat exchanger for induction of profound hypothermia and (Kaplan et al.), 388

Rice, Harold V. A new screen oxygenator and pump, with flow meters and pressure gauge, 658
Robertson, Ross, Ashmore, Philip G., Allen, Peter, and Leach, W. B. Surgical treatment of tetralogy of Fallot, 343
—, Fell, Stanley C., and Jacobson, Belle E. Ventricular septal defect with aortic insufficiency, 785
(*See* Rosenblatt, Hurwitt, Glotzer, and Robinson), 634
Discussion of mitral valvular surgery, 34
Roe, Benson B., and McKay, Lester M. An improved watertight coronary cannula, 139
Roentgen ray, Teropterin, and nitrogen mustard therapy in 12-year cure of inoperable carcinoma of upper esophagus (Meade), 410
Rogers, Lloyd S., Kletschka, Harold D., Newcomb, H. Leigh, and Caliva, Francis S. Experimental evaluation of myocardial revascularization procedures using the tissue polarograph. I. Cardio-pericardiopexy, 505
Romanoff, H., and Milwidsky, H. Primary echinococcosis of the heart cured by operation, 677
Rosenblatt, Alfred A., Hurwitt, Elliott S., Glotzer, Philip, and Robinson, George. Replacement of the pulmonary artery, 634
Ross, John, Jr. (*See* Carney, Ross, and Cooper), 372
Rossall, Richard E. (*See* Fraser, Rossall, Black, and Dvorkin), 810
Rupture of bronchus, delayed repair of (Campbell et al.), 320
of sinus of Valsalva, right aorta-atrial fistulas resulting from (Dubost et al.), 421
Rush, Clyde E. (*See* Hood and Rush), 338
Russi, Melvin (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Ryan, Joseph, (*See* Meckstroth, Klassen, Molnar, and Ryan), 493

S

Saidi, Farrokh, and Scannell, J. Gordon. Reoperation for constrictive pericarditis after a long period of clinical remission, 615
Saint Florent, G. (*See* Binet, Langlois, Cormier, and de Saint Florent), 670
Salel, Antone (*See* Osborn, Cohn, Hait, Russi, Salel, Harkins, and Gerbode), 459
Scalene fat pad biopsies, critical reappraisal of (Morgan and Scott), 548
Scannell, J. Gordon (*See* Glotzer, Shaw, and Scannell), 434
(*See* Saidi and Scannell), 615
Scheff, Saul (*See* Laforet, Starkey, and Scheff), 595
Schmidt, W. Robert (*See* Jensen, Schmidt, and Garamella), 731
Schrire, V. (*See* Barnard, Schrire, and Beck), 768
Schuster, Samuel R., and Gross, Robert E. Surgery for coarctation of aorta, 54, 70
Schwartz, Seymour I., Coassin, Nicholas A., Luria, Milton N., and Mahoney, Earle B. Hemodynamic effects of incision and suture of the tricuspid valve, 796
Scott, H. J. (*See* Dobell, Scott, Cronin, and Reid), 802
Scott, Stewart M. (*See* Morgan and Scott), 548
Screen oxygenator, new, and pump, with flow meters and pressure gauge (Rice), 658
Segmental resection, multiple, bilateral, case of Kartagener's triad treated by (Chang et al.), 127
Septal defect(s), atrial, anomalous vascular patterns found with (LePere et al.), 354
and partial anomalous pulmonary venous drainage, surgical treatment of (Lawrance et al.), 622
septum primum (Shumacker and King), 366
ventricular, with aortic insufficiency (Robinson et al.), 785
improved transatrial approach to closure of (Hudspeth et al.), 157
and tetralogy of Fallot, aortic-cardiac fistulas following corrective operations for (Agustsson et al.), 166
treatment of aortic regurgitation associated with (Spencer et al.), 222
perforation, interventricular, complicating myocardial infarction, surgical closure of (Dobell et al.), 802
Septum primum atrial septal defects (Shumacker and King), 366
Sequestration, bronchopulmonary, intralobar, involving the upper lobes (Witten, Clagett, and Woolner), 523
Serum transaminase response to cardiac surgery using cardiopulmonary bypass (Fraser et al.), 810
Shaw, Robert S. (*See* Glotzer, Shaw, and Scannell), 434
Sherrick, Joseph C. (*See* Langston and Sherrick), 742
Sherwin, Russell P., Laforet, Eugene G., and Strieder, John W. Exophytic endobronchial carcinoma, 716
Shumacker, Harris B, Jr., and King, Harold. Septum primum atrial septal defects, 366
Shumway, Norman (*See* Hurley and Shumway), 327
(*See* Stofer, Lower, and Shumway), 690
Shunt from right innominate vein to right atrium, superior vena caval obstruction treated by (Tama et al.), 585

Sinus of Valsalva, right aorta-atrial fistulas resulting from rupture of (Dubost et al.), 421
Sloan, Herbert (*See* Morris, Sloan, Wilson, and Brandt), 17
(*See* Howatt, Talner, Sloan, and DeMuth), 649
Smith, Bradley E., Modell, Jerome H., Pino, Daniel M., and Timmes, Joseph J. Intravenous propiomazine for supplementation of anesthesia in bronchoscopy, 333
Smith, Daniel E. (*See* Christiansen and Smith), 267
Solitary pulmonary hematoma (Joynt and Jaffe), 291
Spencer, Frank C., Bahnson, Henry T., and Neill, Catherine A. The treatment of aortic regurgitation associated with a ventricular septal defect, 222
(*See* Blake, Manion, and Spencer), 607
Discussion of ventricular septal defects, 164
Spontaneous hemopneumothorax (Deaton and Johnston), 413
pneumothorax complicating cavitary tuberculosis (Wilder et al.), 561
Starkey, George W. B. (*See* Laforet, Starkey, and Scheff), 595
Discussion of congenital aortic stenosis, 155
Steele, John D. (*See* Fonkalsrud and Steele), 530
Steiger, Z. (*See* Agustsson, Weinberg, Gasul, Fell, Areilla, Bicoff, Steiger, and Iwa), 166
Stein, Leonard, Estrellado, Romeo E., and Judd, James M. Nocardiosis and tuberculosis: report of a case of coexistent pulmonary tuberculosis and extrapulmonary nocardiosis, 314
Steinfeld, Leonard (*See* Krasna, Steinfeld, Kreel, and Baronofsky), 135
Stenosis, mitral, anticoagulant agents in surgical treatment of (Miscall et al.), 382
tricuspid, and tricuspid atresia, congenital, surgical considerations for treatment of (Bopp et al.), 97
Sternal approximator: new instrument (Lemmon), 276
Stofer, Raymond C., Lower, Richard R., and Shumway, Norman E. The preparation, assembly, and operation of a heart-lung machine, 690
Storer, John. A drape for combined incisions, 278
Stranahan, Allan (*See* Van Mierop, Alley, Kausel, and Stranahan), 71
Stricture, benign, in lower esophagus (Barrett), 703
Strieder, John W. (*See* Sherwin, Laforet, and Strieder), 716
Subvalvular, valvular, and supravalvular aortic stenosis, congenital, surgical management using deep hypothermia (Gordon), 141
Superior vena caval obstruction (Effler and Groves), 574
Supradiaphragmatic (ectopic) liver (Hudson and Brown), 552
Supravalvular aortic stenosis: successful excision and aortic re-anastomosis (Hara et al.), 212
valvular, and subvalvular aortic stenosis, congenital, surgical management using deep hypothermia (Gordon), 141
Surgical treatment of tetralogy of Fallot (Robertson et al.), 343
Sutherland, H. D. Cricopharyngeal achalasia, 114
Suture and incision, hemodynamic effects on tricuspid valve (Schwartz et al.), 796
Swindell, Herbert V. (*See* Campbell, Swindell, and Dominy), 320

T

Taheri, Syde A. (*See* Jewett, Adler, and Taheri), 540
Talner, Norman S. (*See* Howatt, Talner, Sloan, and DeMuth), 649
Tama, Lawrence, Ellis, F. Henry, Jr., Hodgson, Corrin H., and Dockerty, Malcolm B. Chemodectoma of the mediastinum: report of a patient with superior vena caval obstruction treated by a shunt from the right innominate vein to the right atrium, 585
Taylor, Fred. Discussion of congenital tricuspid atresia and stenosis, 112
Tension pneumomediastinum in newborn (Jewett, Adler, and Taheri), 540
Teropterin, roentgen ray, and nitrogen mustard therapy in 12-year cure of inoperable carcinoma of upper esophagus (Meade), 410
Tetralogy of Fallot, surgical treatment of (Robertson et al.), 343
and ventricular septal defects, aortic-cardiac fistulas following corrective operations for (Agustsson et al.), 166
Theye, Richard A., Donald, David E., and Jones, Richard E. The effect of geometry and filming surface on the priming volume of the vertical-film oxygenator, 473
—, Kirklin, John W., and Fowler, Ward S. Performance and film volume of sheet and screen vertical-film oxygenators (Theye et al.), 481
Thomson, George (*See* LePere, Thomson, and Kohler), 354
Thoracotomy, secondary, late, following pulmonary and cardiac surgery (Fonkalsrud and Steele), 530
Thromboembolic complications in connection with mitral commissurotomy after discontinuation of anticoagulant therapy (Dahlgren and Björk), 780

Thrombo-obliterative disease of great vessels arising from aortic arch (Crawford et al.), 38
Timmes, Joseph J. (*See* Smith, Modell, Pino, and Timmes), 333
Tompsett, David H. (*See* Boyden and Tompsett), 517
Total body perfusion and extracorporeal circulation, acute renal failure after open-heart surgery utilizing (Doberneck et al.), 441
Transatrial approach, improved, to closure of ventricular septal defects (Hudspeth et al.), 157
Transfusion, method for oxygenation of blood for (Björk and Killander), 489
Transposition, complete, of great vessels: successful complete correction (Barnard et al.), 768
Transtracheal bronchoscopy (Hurley and Shumway), 327
Tricuspid atresia and stenosis, congenital, surgical considerations for treatment of: with particular reference to vena cava–pulmonary artery anastomosis (Bopp et al.), 97
valve, hemodynamic effects of incision and suture of (Schwartz et al.), 796
Tube, chest, new, for use in open-heart surgery (Brief and Gross), 408
Tuberculosis, cavitary, spontaneous pneumothorax complicating (Wilder et al.), 561
in first two decades of life, pulmonary resection for (Killen et al.), 762
and nocardiosis (Stein et al.), 314
pulmonary, and chronic purulent tuberculous empyema treated by decortications and resections (Okano and Walkup), 752
resection in: influence of residual disease upon relapse (Gale et al.), 239

V

Vacuum suction, coronary, in heart-lung machine, simple valve modification of (Kabelka), 556
Valve modification, simple, of coronary vacuum suction in heart-lung machine (Kabelka), 556
Valvular action, cardiac, simple external pulse duplicator for observation of (Wessel et al.), 513
aortic stenosis, congenital: anatomic findings and surgical technique (Ellis and Kirklin), 199
supravalvular, and subvalvular aortic stenosis, congenital, surgical management using deep hypothermia (Gordon), 141
Valvuloplasty, mitral, open, appraisal of clinical results (Morris et al.), 17
open, for aortic stenosis, calcific coronary emboli following (Glotzer et al.), 434
Van Mierop, L. H. S., Alley, Ralph D., Kausel, Harvey W., and Stranahan, Allan. The anatomy and embryology of endocardial cushion defects, 71
Varga, A. (*See* Heimbecker, Varga, and McMeekan), 465
Vascular patterns, anomalous, found with atrial septal defect (LePere et al.), 354
Vena cava–pulmonary artery anastomosis (Bopp et al.), 97
superior, obstruction of (Effler and Groves), 574
obstruction treated by shunt from right innominate vein to right atrium (Tama et al.), 585
Veno-venous perfusion, prolonged, with oxygenation in hypoxia of respiratory origin, studies in (Krasna et al.), 135
Ventricular fibrillation and blood pH changes in deep hypothermia (Malamos et al.), 453
outflow patch, right, technique of applying, with use of hypothermia (Derrick), 701
septal defect(s) with aortic insufficiency (Robinson et al.), 785
improved transatrial approach to closure of (Hudspeth et al.), 157
treatment of aortic regurgitation associated with (Spencer et al.), 222
Vertical-film oxygenator(s), effect of geometry and filming surface on priming volume of (Theye et al.), 473
sheet and screen, performance and film volume of (Theye et al.), 481
Vineberg, Arthur M. Discussion of mitral valvular surgery, 34

W

Walkup, Harry E. (*See* Okano and Walkup), 752
Watkins, David H., Duchesne, E. R., and Pollock, Byron E. Coordinated post-systolic myocardial augmentation combined with systolic neutralization: development and clinical application to the failing heart, 1, 37
Weinberg, M., Jr. (*See* Agustsson, Weinberg, Gasul, Fell, Arcilla, Bicoff, Steiger, and Iwa), 166, 181
Weinberg, Milton. Discussion of congenital tricuspid atresia and stenosis, 112
Wessel, Hans A., Kezdi, Paul, and Lewis, F. John. A simple external pulse duplicator for observation of cardiac valvular action, 513
Wilder, Robert J., Beacham, Edmund G., and Ravitch, Mark M. Spontaneous pneumothorax complicating cavitary tuberculosis, 561

Wilson, William S. (*See* Morris, Sloan, Wilson, and Brandt), 17

Witten, David M., Clagett, O. Theron, and Woolner, Lewis B. Intralobar bronchopulmonary sequestration involving the upper lobe, 523

Wooler, G. H. (*See* Lawrance, Grimshaw, Hoyle, Hicks, Nixon, and Wooler), 622

Woolner, Lewis B. (*See* Witten, Clagett, and Woolner), 523

Z

Zuhdi, Nazih, Carey, John M., and Greer, Allen E. Hemodilution and coagulation factors in extracorporeal circulation, 816

(*See* Greer, Carey, and Zuhdi), 640